

KUCERA, Jiri

Congenital developmental defects and other disorders of human  
intrauterine development, an important factor in human medicine.  
Cas.lek.cesk.99 no.30-31:973-975 22 JI '60.

1. Ustav pro peci o matku a dite v Praze, reditel doc. MUDr.  
M. Vojta, prednosta pediatrickeho useku primar MUDr. K.Polacek,  
(ABNORMALITIES)

SKODACEK, C.; KUCERA, J.

On chylothorax in a newborn infant. Cesk.pediat.16 no.3:258-262  
Mr '61.

1. Detske oddelenie CUNZ v Komarne, primar MUDr. G.Skodacek.  
(CHYLOTHORAX in inf & child)  
(INFANT NEWBORN dis)

KUCERA, Jiri

The presence of fetal hemoglobin in Down's disease. Cesk. pediat. 16  
no.7/8:671-675 JI-Ag '61.

1. Ustav pro peci o matku a dite, Praha 4-Podoli, nabrezi Karla Marxe  
157. Reditel: doc. MUDr. Miroslav Vojta Prednosta pediatrickeho useku:  
MUDr. Karel Polacek, C. sc.

(HEMOGLOBIN) (FETUS blood) (MONGOLISM blood)

KUCERA, Jiri

SURNAME, Given Name

(2)

Country: Czechoslovakia

Academic Degrees: MD

Affiliation: Institute for the Care of Mother and Child (Ustav pro peci o  
matku a dite), Prague; Director: Docent M. VOJTA, MD.

Source: Prague, Prakticky Lekar, Vol 41, No 11, 1961, pp 487-490.  
Evolutionary

Data: "Registration of Congenital Defects in Czechoslovakia

75

KUCERA, Jiri

The incidence of congenital defects in Czechoslovakian regions and factors influencing it. I. Incidence, types and characteristics of congenital defects. Cas.lak.cesk 100 no.52:1609-1614 29 D '61.

1. Ustav pro peci o matku a dite, Praha 4-Podoli, reditel doc. MUDr. Miroslav Vojta, prednosta pediatrickeho useku MUDr. Karel Polacek.

(ABNORMALITIES statistics)

KUCERA, Jiri

The possibility of prenatal diagnosis of Down's disease. Cesk pediat  
17 no.2:124-130 F '62.

1. Ustav pro peci o matku a dite v Praze 4 - Podoli, reditel doc.  
MUDr. Miroslav Vojta, prednosta pediatrickeho useku MUDr. Karel Polacek,  
CSc.

(MONGOLISM diagn)

KUCERA, Jiri

Experiences in consultation for congenital disorders. Cesk. pediat.  
17 no.3:270-276 Mr '62.

1. Ustav pro peci o matku a dite v Praze, reditel doc. MUDr. Miroslav  
Vojta, zaslousily lekar Vedouci pediatrickeho useku MUDr. Karel  
Polacek, CSc.

(ABNORMALITIES)

HOUSTEK, J.; KUCERA, J.; KOTZMANOVA, J.

The frequency of congenital defects in middle Bohemian regions. Cesk. pediat. 17 no.5/6:458-468 Je '62.

1. Katedra fakultni pediatrie fakulty detskeho lekarstvi University Karlovy v Praze, vedouci prof. MUDr. J. Houstek Ustav pro peci o matku a dite v Praze, reditel doc. MUDr. M. Vojta, prednosta pediatrickeho useku MUDr. K. Polacek Krajsky ustav narodniho zdravi Stredo-ceskeho kraje, odbor pece o zenu a dite.

(ABNORMALITIES statist)



KUCERA, Jiri; BENESOVA, Dagmar

Disorders of the intrauterine human development caused by attempted abortion. Cesk. pediat. 17 no.5/6:483-489 Je '62.

1. Ustav pro peci o matku a dite v Praze, reditel doc. MUDr. M. Vojta, prednosta pediatrickeho useku MUDr. K. Polacek Katedra patologicke anatomie a mikrobiologie fakulty detskeho lekarstvi University Karlovy v Praze, vedouci doc. MUDr. D. Benesova.

(ABNORMALITIES etiol)  
(ABORTION CRIMINAL compl)

KUCERA, J.

Report on voluntary registration of congenital anomalies in Czech  
countries. Cesk. pediat. 17 no.12:1119-1121 D '62.  
(ABNORMALITIES)

KUCERA, Jiri

"Prenatal pediatrics", Cas. Lek. Cesk. 101 no.16/17 Lek. Ved. Zahr.:73-78 27 Ap '62.

1. Ustav pro peci o matku a dite v Praze, reditel doc. dr. Miroslav Vojta.

(PRENATAL CARE) (GENETICS HUMAN)  
(ABNORMALITIES etiol)

KUCERA, Jiri

The frequency of congenital anomalies in Czech regions and the influencing factors. II. Factors in the external environment. Cas. lek. cesk. 101 no.35:1056-1060 31 Ag '62.

1. Ustav pro peci o matku a dite v Praze, reditel doc. dr. M. Vojta,  
prednosta pediatrickeho useku dr. K. Polacek.  
(ABNORMALITIES) (ENVIRONMENT)

KUCERA, Jiri

The frequency of congenital anomalies in Czech regions and the influencing factors. III. Biological properties of the organism -- the genetic component. Cas. lek. cesk. 101 no.36:1096-1102 7 S '62.

1. Ustav pro peci o matku a dite v Praze, reditel doc. dr. M. Vojta,  
prednosta pediatrickeho useku MUDr. K. Polacek.  
(ABNORMALITIES) (GENETICS HUMAN)

CZECHOSLOVAKIA

KUCERA, J., MD.

Institute of Pediatrics (Ustav pro peci o matku a dite),  
Prague-Podoli

Prague, Prakticky lekar, No 7, 1963, pp 251-254

"Influence of Several Drugs on the Growth of the Human  
Foetus."

KUCERA, J.

Current status and development of the problem of congenital defects in the world and in Czechoslovakia. Cesk. pediat. 18 no.5:400-411 My '63.

1. Ústav pro péči o matku a dítě v Praze, ředitel doc. dr. M. Vojta, vedoucí pediatrického úseku doc. dr. K. Poláček, CSc.

(ABNORMALITIES) (CHROMOSOME ABNORMALITIES)  
(PREGNANCY COMPLICATIONS) (VIRUS DISEASES)  
(ABNORMALITIES, DRUG-INDUCED)  
(RADIATION GENETICS) (RADIATION INJURY)

CERNY, M.; KUCERA, J.; SOUKUP, F.

Clinical genealogy. Cesk. pediat. 18 no.5:442-456 My '63.

1. Ustav obecné biologie fakulty všeobecného lékařství KU v Praze, přednosta prof. MUDr. RNDr. B. Sekla. Ustav pro péči o matku a dítě v Praze, ředitel doc. dr. M. Vojta, vedoucí pediatrického úseku doc. dr. K. Polacek, CSc.

(CHROMOSOME ABNORMALITIES) (SCHIZOPHRENIA)

(RETINITIS PIGMENTOSA) (ABNORMALITIES)

(PARAMYOCLOLONUS MULTIPLEX) (GENETICS, HUMAN)



ORT,M.; KUCERA,J.; JANSÁ,M.

Importance of chromatographic analysis of the urine for the diagnosis of congenital metabolism disorders. Cesk. pediat. 19 no.3:204-210 Mr'64.

1. I.detska klinika fakulty detskeho lekarstvi KU v Praze (prednosta: prof.dr. J.Svejcar) a Detske oddeleni UPMD v Praze (vedouci: doc.dr.K.Polacek).

\*

KUGERA, J.

New character of Down's disease in the Czechoslovakian SSR  
and its theoretical and practical importance. Cas. lek. cesk. 103  
no.49:1354-1357 4. 9. '64

1. Ustav pro pedi o matku a dite v Praze, (zatimni reditel doc.  
dr. J. Horaky, DrSc; vedouci pediatrického úseku doc. dr.  
K. Polacek, CSc.).

ACC NR: AF6025051

SOURCE CODE: CZ/0017/66/055/001/0010/0015

AUTHOR: Kucera, Josef (Engineer); Hruby, Josef

ORG: Skoda, Plzen

TITLE: Digital control of the magnetic field in winch motors

SOURCE: Elektrotechnicky obzor, v. 55, no. 1, 1966, 10-15

TOPIC TAGS: winch, electric motor, magnetic field, automatic control, rolling mill, cold rolling, emf, circuit design, metal drawing, digital system, oscillograph

ABSTRACT: A brief summary is presented of the theoretical requirements for the electric drive of drawing winches used in cold-rolling band mills. An indirect analogous method for emf regulation, the theoretical assumptions for direct estimation of roll diameter from the measured travel of the band, and a new digital diameter-measuring method with magnetic field control in the motor are described. A circuit diagram, the results of practical oscillographic measurements and photographs of the digital controller built of Transimat units are presented. In conclusion a detailed discussion is given of the indirect analogous method for roll-diameter indication and of the digital methods of magnetic field control in the motors of drawing winches. This paper was presented by Z. Zedr. Orig. art. has: 8 figures and 12 formulas. [Based on authors' Eng. abstract] / JPRS: 35,327

SUB CODE: 09, 13, 20 / SUBM DATE: 25Aug65 / ORIG REF: 002 / OTH REF: 001

Card 1/1

UDC: 621.34-55

KUCERA, Josef, inz.

Electric drive of a cogging mill. El tech obzor 53 no.4:  
185-190 Ap '64.

1. Leninovy zavody National Enterprise, UPV Plzen.

KUCERA, Josef

Economic effectiveness of mining seams less than 50 cm thick in  
Ostrava-Karvina coal basin. Uhlí & no.11:363-367 N '62.

1. Ministerstvo paliv a energetiky.

KUCERA, Josef

Ensuring the education of power engineers up to 1970. Energetika  
Cz 13 no.6:320-322 Je '63.

1. Ustredni sprava energetiky, Praha.

KUCERA, Josef

Prospect of mirror glass production by the float system in the  
United States. Sklar a keramik 14 no.11:308 N '64.

KUCERA, J., inz.; VLASEK, B.

Organization and calculation methods at the 6th Brno International  
Fair. Jemna mech opt 9 no.12:378-382 D '64.



CZECHOSLOVAKIA

KUCERA, K., Docent MD.

Protozoological Ward of the Parasitological Institute  
CSAV (Protozoologicke oddeleni Parazitologickeho  
ustavu CSAV), Prague

Prague, Prakticky lekar, No 7, 1963, pp 241-244

"Pneumocystosis in the CSSR."

KUCERA, K., dr. inz.; ZAK, M., inz.

Some experiences from the visit to the highway construction  
worksites and research institutes in the German Democratic  
Republic. Inz stavby 12 no. 2: 83-84, F '64.

GASPAR, Laszlo, dr., okleveles mernok, a misszaki tudományok kandidátusa;  
IVANOV, N.N., prof., dr. (Moscow); KUCERA, K., dr. (Bratislava);  
BARZDO, V.J., dipl. ing., docens (Moscow); JAKOVLEV, Ju.N.,  
[Yakovlev Yu.N.] dipl. ing. (Moscow)

Dimensioning flexible road constructions. Melyepitestud szemle  
14 no.12:535-541 D '64.

1. Head, Laboratory of Soil Mechanics of the Road Research  
Institute, Budapest (for Gaspar).

*KUCERA, K.*

POPEK, K.; DLUHOS, M.; MULLER, E.; KUCERA, K.; BAKALA, F.

Temporal arteritis. Lek.listy 5 no.9:241-246 1 My '50.(CLML 19:2)

1. Of the Clinic for Nervous Diseases (Head -- Prof. Karel Popek, M.D.) and of the Patho-Anatomical Institute (Head -- Prof. Vaclav Neuman, M.D.), Masaryk University, Brno, of the Neurological Department and Central Laboratory and Prosecution Department (Head -- Head Physician, Docent Kamil Kucera, M.D.), Regional Hospital in Gottwald.

KUCERA, K.

Laboratory services in a regional hospital located in an industrial center. Cesk. nemoc. 18 no.3:72-73 Mar-Apr 1950. (CML 23:2)

1. Gottwaldov.

**KUCERA, K.**

Trichomoniasis of the male urethra. Cas.lek.cesk. 89 no.18:508-511  
5 My '50. (CIML 19:3)

1. Of the Central Laboratory and Prosecution Department of the State  
Regional Hospital in Gottwald (Head -- Docent. Kamil Kucera, M.D.).

KUCERA, K.; DVORAK, V.

Epidemics of acute conjunctivitis due to Koch-Weeks Hemophilus.  
Cesk. ofth. 7 no.4:252-262 1951. (CJML 21:1)

1. Of the Eye Clinic of Palacky University in Olomouc  
(Head -- Prof. V. Vejdosky, M.D.) and of the Central  
Laboratory of the State Regional Hospital in Gottwaldov  
(Head -- Docent K. Kucera, M.D.).

KUCERA, K.; JIRA, J.; URBANEK, O.

Utilization of waste in leather industry as a raw material in production of peptone for culture media. Biol. listy, Praha 32 no.3:180-191 Dec 51.  
(CIML 21:5)

1. Of the Central Laboratory and Prosectorium of State District Hospital in Gottwalder, of the SZU Branch (Head--Docent Kamil Kucera, M.D.) in Gottwaldov, and of the Research Department of Swit National Enterprise in Gottwaldov-Ostrokovice.



Abstract  
JYRA, A; KUCERA, K.

Studies on vaginal lactobacillus; preliminary communication.  
Cesk. gyn. 17 no.2-3:66-73 1952. (CML 22:3)

1. Of the Central Laboratory and Prosectorium of State Regional  
Hospital, and of the Slovak Health Institute (SZU) Branch (Head--  
Docent K. Kucera, M.D.), Gottwaldov.

KUCERA, Kamil

70th anniversary of prof. MUDr Vaclav Tomasek. Cesk. hyg. epidem.  
mikrob. 2 no.6:469-473 Dec. 53.

(BIOGRAPHIES,  
Tomasek, Vaclav)

KUCERA, K.

Experience with therapeutic and preventive use of autovaccines.  
Lek. listy, Brno 8 no.23:544-550 1 Dec 1953. (CJML 25:5)

1. Of the Central Laboratory of KUNZ and of the Microbiological  
Department (Head--Docent K. Kucera, M.D.) of Hygienic-Epidemiological  
Station, Gottwaldov.

KUCERA, Kamil; JIROVEC, Otto

International symposium on trichomoniasis held at Reims; March 28-30, 1957. Wiadomosci parazyt., Warsz. 4 no.2:125-141 1958.

1. Z Zakladu Protosocologii CSAN i Instytutu Zoologicznego Univ. im. Karola w Pradze.

(TRICHOMONIASIS  
symposium (Pol))

ZICHA, Blahoslav; POSPISIL, Jan; KUCERA, Karel

Effect of ionizing irradiation on the permeability of the vascular and lymphatic system. Cesk. rentgenol. 16 no.4:259-267 Ag '62.

1. Vetserni vyzkumne stredisko v Praze.  
(RADIATION EFFECTS experimental)  
(BLOOD VESSELS radiation effects)  
(LYMPHATIC SYSTEM radiation effects)

S/035/62/000/009/059/060  
A001/A101

AUTHOR: Kučera, Karel

TITLE: The blinking heliotrope

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 9, 1962, 34 - 35, abstract 90224 ("Sb. výzkumn. prací. Výzkumn. ústav geodet., topograf. a kartograf.", 1959, v. I, 107 - 154, Czech; Russian and German summaries)

TEXT: The blinking heliotrope consists of three cylindrical wave-like mirrors fastened to a common axis rotating, under action of wind, at a speed of 1 revolution per 3 or 4 sec. A longer period of rotation is necessary in case of large distances between the points and at a haze. The heliotrope is attached to the signal sighting cylinder. Guidance curves of all three mirrors are parts of one analytical curve of the mirror whose positive branch satisfies the equations:

$$\frac{x}{c} = N_0 [(1 + \sin t) - \lg (1 + \sin t)] - [\sin t - \lg \sin t] - \frac{x+5}{c},$$

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The blinking heliotrope

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$$\frac{y}{c} = (N_0 - 1) \cos t - \lg \operatorname{tg} \frac{t}{2} - \frac{y+85}{c},$$

and the negative branch - the equations:

$$\begin{aligned} \frac{x}{c} = \frac{x-5}{c} - N_0 [(1 + \sin t) - \lg (1 + \sin t)] + \\ + [\sin t - \lg |\sin t|], \end{aligned}$$

$$\frac{y}{c} = \frac{y_5}{c} - \frac{y+85}{c} - (N_0 - 1) \cos t + \lg \left| \operatorname{tg} \frac{t}{2} \right|.$$

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The blinking heliotrope

S/035/62/000/009/059/060  
A001/A101

Where  $C = 8,094 \frac{Q_0}{d}$ ,  $Q_0$  is coefficient of proportionality; parameter C expresses the lengthwise size of the mirrors at the given width d;  $N_0 = 1.5207$  is the optimum parameter of the curve shape determined for the adopted period of evening (and morning) observations, contained in the range of Sun's zenith distances from  $55^\circ$  to  $85^\circ$ ; t is zenith distance of a solar ray incident onto the mirror surface at a point where, after reflection, it takes a horizontal direction: in equations of the curve positive branch distance t varies from  $+5^\circ$  to  $+85^\circ$ , and in equations of the negative branch - from  $-5^\circ$  to  $-60^\circ$ . Since t is either less or equal to Sun's zenith distance the cosine of reflection angle  $\alpha$  can not be equal to zero in the adopted period of observations. However, at negative t-values and at their large absolute magnitude,  $\cos \alpha$  is small and therefore, it is inexpedient to use the part of the mirror surface corresponding to the range of t-values from  $-60^\circ$  to  $-85^\circ$ . Moreover, at  $t=0^\circ$  the mirror will not yield a blink, as a consequence of which circumstance, the t-range from  $+5^\circ$  to  $-5^\circ$  is also excluded from the design. Both of these sectors, amounting to 3.6% of the whole horizon are displaced with the Sun; thus the relative visibility of the blinking heliotrope is constant over the whole horizon during the period of one revolution. Dependent on visibility conditions, blinks are seen at distances from 20 to 40 km. There are 6 references. See also RZhAstr, 1961, 10G252P.  
[Abstracter's note: Complete translation]  
Card 3/3

N. Modrinskiy



S/035/62/000/009/036/060  
A001/A101

AUTHOR: Kučera, Karel

TITLE: Principles of evaluating the accuracy of survey work and establishing main demands on the accuracy of maps on 1:5,000 and 1:10,000 scales

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 9, 1962, 8, abstract 9056 ("Sb. výzkumn. prací. Výzkumn. Ústav geodet., topograf. a kartograf.", 1960, v. 5, no. 2, 77 - 116, Czech; Russian and German summaries)

TEXT: The author considers criteria for evaluating the accuracy of topographic (not photogrammetric) surveys. He analyzes mathematical simplifications admissible in theoretical calculations and criticizes some ungrounded simplifications used in practice. In particular, the formula  $M = \pm 0.3 \delta_{th}$  ( $\delta_{th}$  is theoretical misclosure characterizing accumulation of errors in a traverse) has been derived for rms error of adjusted elevation or plan position of a point in a correctly oriented traverse. Taking initial data errors into account,  $M = \pm 0.3 \sqrt{\delta_{th}^2 + 8 m^2}$ , where  $m$  is the error in both initial points. Demands on the accuracy of work are substantiated which are adopted in elaboration of the Czechoslovakian instruction

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Principles of evaluating the accuracy of...

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AC01/A101

on topographic surveys on scales 1:10,000 and 1:5,000 (of 1957). Thirty five formulae are presented for calculating expected errors and 29 numerical values characterizing the magnitude of these errors (13 of them are derived empirically, 4 are taken from literature sources, and 12 are derived from author's investigations). Moreover, errors in determining coordinates of extension points, as well as effect of these errors in constructing polygonometric traverses and detailed surveys, are analyzed. ✓

V. Pavlov

[Abstracter's note: Complete translation]

Card 2/2

S/035/62/000/003/033/053  
A001/A101

AUTHOR: Kučera, K.

TITLE: Weights in leveling networks

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 3, 1962, 21, abstract 3G166 ("Sb. výzkumn. prací. Výzkumn. Ústav geodet., topograf. a kartograf.", 1961, v. 6, no. 3, 83-96, Czech; Russian and German summaries)

TEXT: The author proves that weights, in processing leveling networks, should be presented as functions of the number of stands rather than of the line length. The formula is derived:  $m_t = 0.165 \sqrt{n}$ , expressing the dependence of the root-mean-square error of elevation obtained from reciprocal leveling, on the number of stations only. This formula was checked on extensive experimental material. The variable  $n$  in this formula is some kind of indicator of refraction effect and displacement of pins and stand while working at a station. It is noted that refraction effect was not revealed in experimental materials, but displacements of pins and stand affected the results. In traverses with large

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Weights in leveling networks

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A001/A101

elevations, number n is an indicator of error due to insufficient knowledge of the precise length of rods. As a rule for Czechoslovakian levelings,  $n = 15$ , since the limiting length of sighting is adopted at present to be 40 m. ✓

From author's summary

[Abstracter's note: Complete translation]

Card 2/2

KUCERA, Karel, dr., inz.

Determining the eccentricity of the disc level of a parallactic pole.  
Geod kart obzor 8 no.1:2-4 Ja '62.

1. Vyskumny ustav geodeticky, tepegraficky a kartograficky, Praha.

KUCERA, Karel, inz. dr., CSc.; BOHM, Josef, prof., inz. dr.

Relation between the position parameters determined in the Koppe  
and Raab equations. Geod kart obzor 9 no.7:182-184 JI '63.

1. Vyzkumny ustav geodeticky, topograficky a kartograficky,  
Praha (for Kucera). 2. FS, Ceske vysoke uceni technicks, Praha  
(for Bohm).

KUCERA, Karel, inz. dr., CSc.

Zeiss BRT 006 telemeter from the viewpoint of double basis  
telemetry. Geod kart obzor 9 no.11:292-298 N'63.

1. Vyzkumny ustav geodeticky, topograficky a kartograficky,  
Praha.

KUCERA, Karel, Ing. dr. Sc.

Geodetic measurement of diameters on carrouzels. Good  
kart obzor 10 no.2:34-39 F'64.

1. Vyzkumny ustav geodeticky, topograficky a kartograficky,  
Praha.



KUCERA, Karol, inz. dr. CSs.

Transformation formulas for both parameters of Koppe's equation from the Raab equation. Geod kart sbor 10 no.11:271-272 N '64.

1. Research Institute of Geodesy, Topography and Cartography, Prague.

L 3022-66 EWT(1) GW

ACCESSION NR: AP5026872

CZ/0023/65/009/001/0023/0034

27  
21  
B

AUTHOR: Kucera, Karel

TITLE: Effectiveness of structural weights

SOURCE: Studia geophysica et geodastica, v.9, no. 1, 1965, 23-34

TOPIC TAGS: geodesy, triangulation

Abstract [Russian article, author's English summary]: First the definition and the properties of structural weights  $q$  are given, as derived by the author in 1952. The structural weights are used in evaluating partial results of complete measurements carried out by more than two instruments or two methods, with the aid of a general arithmetical mean (structural mean). Neither the instruments nor their conditions are considered equivalent in advance, and the a priori weights based on analyses of earlier measurements are not considered. The structural weights are derived from the mutual configuration of partial results, so that they express the real conditions of the instruments at the time of the measurement, or the errors of the methods in question. The effectiveness of structural weights is newly proved on models on which the deteriorating niveau of the instruments is simulated by approximation of the basic set of natural numbers to multiples of gradually rising numbers  $\alpha, \beta$ . This approx-

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L 3022-66

ACCESSION NR: AP5026872

3  
imation test is applied also to the values of the measured direction of the well-known Hannoverian trigonometric network. Three artificial systems, derived by approximating the original system of directions of 0.1" accuracy to multiples of 3, 6 and 12" are tabulated. At all eight stations the structural mean  $A_q$  of the three artificial systems differs less from the original than the simple arithmetical mean  $A_3$ . The weight of the structural mean  $p_q$ , derived from the real errors  $\epsilon$ , is 2.4 times larger than the weight  $p_3$  of the arithmetic mean  $A_3$ . Orig. art. has 6 formulas and 6 tables.

ASSOCIATION: Isalelovatel'skiy institut geodezii, Prague (Research Institute of Geodesy)

SUBMITTED: 44,55  
14 May 64

ENCL: 00

SUB CODE: ES

NO REF SOV: 000

OTHER: 001

JPRS

Card 2/2. nd

KUCERA, Karel, inz. dr. CSc.

Study on the accuracy of orientation measurement. Geod kart obzor  
11 no.1:1-6 Ja '65.

1. Research Institute of Geodesy, Topography and Cartography, Prague.

L 10593-66

ACC NR: AP6004047

SOURCE CODE: CZ/0024/65/000/001/0001/0006

AUTHOR: Kucera, Karel (Engineer; Doctor; Candidate of sciences)

ORG: Research Institute of Geodesy, Topography and Cartography, Prague (Vyzkumny ustav geodeticky, topograficky a kartograficky) 44.55

TITLE: Precision of an orientational measurement

SOURCE: Geodeticky a kartograficky obzor, no. 1, 1965, 1-6

TOPIC TAGS: geodesy, cartography, geography

ABSTRACT: The article describes methods of determining the accuracy of landmarks being incorporated in trigonometric networks, especially those located in forests. This work was presented by Engr. Vaclav Morch, USGK, Prague. Orig. art. has: 2 figures, 20 formulas, and 4 tables. 44.55

SUB CODE: 08 / SUBM DATE: none / ORIG REF: 004 / SOV REF: 001

Card 1/1

UDC: 528.022.6.088.3

E 31029-66 EWT(1) GW

ACC NR: AP6022929

SOURCE CODE: CZ/0024/66/000/001/0003/0006

AUTHOR: Kucera, Karel (Engineer; Doctor; Candidate of sciences)

39  
8

ORG: Geodetic, Topographic, and Cartographic Research Institute, Prague (Vyskumny ustav geodeticky, topograficky a kartograficky)

TITLE: Conventional amplitude as a new criterion of the periodical error of limb division

SOURCE: Geodeticky a kartograficky obsor, no. 1, 1966, 3-6

TOPIC TAGS: geodesy, parameter, error function, measurement

ABSTRACT: The periodical error of the limb division should use a single-parameter criterion of a conventional amplitude to replace the six-parameter classical expression common at present. The phase parameters of the function now generally used for the expression of the error, are rather indeterminate, and the geodetical part of the criterion is time consuming. Methods for the determination of the conventional amplitude are discussed. This paper was presented by Professor, Engineer, Doctor, Doctor of Sciences Josef Bohm, FS CVUT, Prague. Orig. art. has: 12 formulas and 1 table. [JPRS]

SUB CODE: 08, 12 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 001

Card 1/1 LC

UDC: 528.33(437)

1005

KUCERA, KAREL.

"Roztrideni a klasifikace zemin. Praha, Vedecko-technicke nakl., 1950. 24 p.  
(Brno. Vysoka skola technicka. Ustav stavby silnic. Drobne spisy, c.4)  
(Systematization and classification of soils. illus., bibl., graphs, tables)"

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

KUCERA, KAREL.

"Zkusebni metody zemni mechniky. Praha, Vedecko-technicke nakl., 1951. 30p.  
(Brno. Vysoka skola technicka. Ustav stavby silnic. Drobne spisy, c. 6) (Testing :  
methods of soil mechanics. illus., bibl., graphs)"

SO: East European Accessions List, Vol 3, No 8, Aug 1954.



KUCERA, KAREL.

"Stabilisovane vozovky, jujich navrh a kontrola provadeni. Praha, Vedecko-technicke nakl., 1951. 21 p. (Brno. Vysoka skola technicka. Ustav stavby silnic. Drobne spisy, c. 7) (Stabilized roads, their design, and the control of their construction. bibl., graphs)"

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

62

41

Soil and geological research in design and lay-out of roads. K. Kuleva (Dopravni Technika, 1961, 1, No. 1, 3-9; Rd Abstr. 1962, 18, 66). —The importance of making geological surveys and investigations on soils before building roads is stressed. Methods of carrying out such investigations are outlined, with details of the use of a mobile laboratory and of the practical application of the results of laboratory tests. Rd. Abstr. (C)

Ba. 6-1

(Road) construction costs reduced by new methods of building base courses. K. Kufner (Dopravní Technika, 1961, 1, No. 2, 37-38; Rd Abstr., 1962, 10, 54).—The construction of macadam and stabilized-soil base courses enables the engineer to make use of materials available locally and to reduce construction costs. Maps show the occurrence of various types of aggregates in Czechoslovakia and the purposes for which they are suitable. Rd. Abstr. (C).

KUCERA, K.

"Our Remarks on Flattening Silage by Tractor." p. 332,  
(MECHANISACE ZEMEDLSTVI, Vol. 4, No. 17, Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (CML), LC, Vol. 4  
No. 5, May 1955, Uncl.

KUCERA, K.

Anniversary of the ascent of Stalin Peak by way of Velicka proba.  
p. 238, KRASY SLOVENSKA, Vol. 31, no. 1, Jan. 1954. Bratislava.

SOURCE: East European Accessions List, (EEAL) Library of Congress,  
Vol. 4, No. 2, August 1956

KUCEPA, K.

The influence of the humidity of foundation soils as an important element to be observed in roadway designing. (to be contd.) p. 347.

(Inzenyrske Stavby. Vol. 5. no. 6, June 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (REAL) LC, Vol. 6, no. 10, October 1957. Uncl.

KUCERA, K.

The influence of the humidity of foundation soils as an important element to be observed in roadway designing.

p. 407 (Inzenyrske Stavby) Vol. 5, no. 8, Aug. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

KUCERA, L.		21
Colorimetric Determination of Silicon in Malleable Cast Iron. L. Kucera. (Hutnické Listy, 1950, vol. 5, June, Supplement No. 2, pp. 102-107). <u>[In Czech]</u> . The problem of rapidly determining elements in the melt during the production of malleable cast iron, and previous work on this subject, are briefly reviewed. Research work in the laboratories of the Ceskomoravska Kolben Danek is reported. On the basis of over 4000 tests a practical method for silicon in the range 0.05-15% was developed. Detailed instructions are given for malleable iron and the total time required is 19 min. The accuracy is very high. The colorimetric method is also being applied to the determination of phosphorus, titanium, vanadium, copper, nickel, chromium, cobalt, tungsten, and the combined carbon. Two photo-electric colorimeters are described.—E. G.		
A.S.T.M. METALLURGICAL LITERATURE CLASSIFICATION		



KUCERA, L.; PLZAK, F.

Josef Kuba's Spektrální analýza v kovoprůmyslu (Spectrum Analysis in the Metal Industry); a book review. p.270 CHEMICKÝ PRŮMYSL. (Ministerstvo chemického průmyslu) Praha. Vol. 5, No. 6, June 1955.

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 4, No. 12, December 1955.

L 4100-66

ACC NR: AP5028878

SOURCE CODE: CZ/0012/65/006/002/0093/0097

AUTHOR: Kucera, Ladislav (Engineer, Candidate of sciences)

ORG: Institute of Radio Engineering and Electronics, CSAV, Prague (Ustav radiotechniky a elektroniky CSAV)

TITLE: Estimation of the oscillation period from the limit cycle

SOURCE: Elektrotechnicky casopis, no. 2, 1965, 93-97

TOPIC TAGS: oscillation, electronic oscillator

ABSTRACT: A method is presented for estimating the oscillation period of nonlinear oscillation systems, from the limit cycle. The principle of this method is based on the comparison of certain trajectories in the plane  $(x, \dot{x})$ . The estimated values differ only by about 5 percent from the known exact values. The work was presented by J. Stransky. Orig. art. has: 3 figures, 12 formulas [JPRS]

SUB CODE: EC / SUBM DATE: 23Apr64 / OTH REF: 002

BVK  
Card 1/1

KUCERA, L., inz.; MATEJU, J., inz.

The between-lens shutter Prontor SVS. Jemna mech opt 5 no.12:379-382  
D '60.

MATEJU, J., inz.; KUCERA, L., inz.

The between lens shutter Metax, made in Czechoslovakia.  
Jemna mech opt 6 no.2:37-39 F '61.

1. Meopta n.p., Prerov.

KUCERA, L., inz.; MATEJU, I., inz.

The between-the-lens Synchro-Compur shutter. Jemna mech opt 6 no.4:  
106-110 Ap '61.

1. Meopta, n.p., Prerov.

(Cameras)

KUCERA, Leos, inz.

A film band wide 70 mm. Jemna mech opt 7 no.4:126 Ap '62.

1. Moopta, n.p., Prerov.

KUCERA, L., inz.

More light. Jemna mech opt 7 no.10:303-305 0 '62.

1. Meopta Prerov.

KUCERA, L., inz.

PVC clad sheets. Jemna mesh opt 8 no. 7:226-227 J1 '63.



POSPISIL, Milan; KUCERA, Leos

Modified thymol reaction. Vnitr. lek., Brno 1 no.1:30-33  
Jan 55.

1. Z ustavu vseobecne a experimentalni pathologie LF MU v Brne,  
prednosta ustavu prof. MUDr a RNDr. Vilam Uher, M.P. Ustav exp.  
pathol. LF MU, Brno, Komenskeho nam.2.

(THYMOL

reaction, modified, in liver function test.)

(LIVER FUNCTION TEST

thymol reaction, modified.)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827020017-4

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000827020017-4"

KUCERA, L. 205

SCHREIBER, V.; KUCERA, L.; KUCEROVA, J.; KMENTOVA, V.

Endocrine effects on osmotic resistance of the leukocytes. Cas. lek. cesk. 96 no.40-41:1299-1302 11 Oct 57.

1. Laborator pre endokrinologii a metabolismus pri III. Interni Klinice fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta akademik Josef Charvat.

(HORMONES, effects,

on leukocyte osmotic resist. (Cs))

(LEUKOCYTES, effect of drugs on,

hormones, on osmotic resist. (Cs))

KUCERA, L.

Role of the endocrine system in the regulation of eosinophilic  
leukocytes in peripheral blood. Cesk.fysiol. 9 no.2:141-162  
Mr '60.

1. Ústav hematologie a krevní transfuze, Praha.  
(ENDOCRINE GLANDS physiol)  
(EOSINOPHILS)

KUCERA, L., First Department of Internal Medicine (1. interni oddeleni), Hospital and Polyclinic in Horovice, B. JOSEFMAN, MD, director.

"Thiazide Diuretics and the Metabolism of Carbohydrates."

Prague, Casopis Lekaru Ceskych, Vol CII, No 30, 20 September 63, pp 1053-1054.

Abstract: A short report on experiments with Chlorurit, a chloro-thiazide and their effect on the carbohydrate metabolism of a diabetic type, characterized by polyuria, polydipsia, glycosuria, hyperglykemia, and the lowered tolerance against glucose (diabetic curve). Ten references, including 1 Hungarian.

1/1

KUCERA, L.

Insulin activity in biological material and possibilities of its determination. Cas. lek. cesk. 103 no.16:65-69 17 Ap '64.

1. Interní oddelení nemocnice s poliklinikou v Horovicích (vedoucí MUDr. B. Hochmann).

ACC NR: AP6017896

(A)

SOURCE CODE: CZ/0078/65/000/012/0011/0011

INVENTOR: Krcal, Zdenek (Gottwaldov); Kostak, Jiri (Engineer; Prague); Kucera, Ludvik (Kyje u Prahy); Kerhart, Jaroslav (Bechovice)

ORG: none

TITLE: [Sorting and metering equipment for semiconductor rectifier components]  
CZ Patent No. PV 5664-64, Class 21

SOURCE: Vynalezy, no. 12, 1965, 11

TOPIC TAGS: semiconductor rectifier, measuring apparatus, semiconductor research, circuit design

ABSTRACT: Sorting and metering equipment for semiconductor rectifier components and other chemical nonsymmetric and nonlinear components are guaged dynamically under conditions similar to industrial operation. The component being tested is connected in series with a transformer secondary coil and two distributors with oppositely polarized valves. After the semiconductor and first distributor valve, a first polarization relay circuit coil leads through the contacts of the second and third polarization relay circuits to an operating resistor. Two coils of the third polarization relay with an armature and switching contacts between them are connected by means of a contact switch to the first and third polarization relays and

Card 1/2

ACC NR: AP6017896

parallel to the resistor. The parallel contact switches of the first and third polarizing relays are connected to a through-put metering circuit, composed of a rectifier and meter, whereas the parallel contact switches of the first and second polarizing relays are connected to a reverse-current metering circuit, also composed of a rectifier and meter, the loop of both metering circuits being closed through the secondary coil of a current transformer.

SUB CODE: 09/ SUBM DATE: 13Oct64

Card 2/2



L 04128-67 EWP(t)/ETI IJP(c) JD/JG  
ACC NR: AP6009345 (A)

SOURCE CODE: CZ/0078/65/000/011/0013/0013

INVENTOR: Krcal, Zdenek (Engineer); Kostak, Jiri (Prague); Kucera, Ludvik (Kyje u Prague); Kerhart, Jaroslav (Bechovice)

ORG: none

TITLE: A circuit for the grading of selenium plates. CZ Pat. No. PV 5514-64, Class 21e

SOURCE: Vynalez, no. 11, 1965, 13

TOPIC TAGS: selenium, selenium rectifier, relay, amplifier design, control circuit

ABSTRACT: A circuit is described for grading selenium plates for amplitude limiters positioned in an installation in any position with respect to polarity and simulating operating conditions where the disc or plate to be measured is fed from an ac source. In the ac source circuit the selenium plate to be measured is in series with the primary winding of the current transformer, and in parallel to the secondary winding of the transformer a rectifier is connected in a bridge circuit. The measurement device is in the dc arm of the bridge connected in parallel with a condenser and one winding of a relay from the middle position of the armature. The other winding of the relay is connected through a voltage divider to the compensating voltage source constituted by a tube and a condenser where the relay contacts are connected to the circuit of the grading mechanism coil.

SUB CODE: 09/ SUBM DATE: 05Oct64

Cord 1/1

L 41784-66

ACC NR: AP6031676

SOURCE CODE: CZ/0042/66/000/003/0168/0178

AUTHOR: Kucera, Ladislav (Engineer; Candidate of sciences) 53

ORG: Institute of Radio Engineering and Electronics, CSAV, Prague (Ústřední radiotechnika a elektroniky CSAV)

TITLE: Periodic conditions of an oscillator with a tunnel diode

SOURCE: Elektrotechnický časopis, no. 3, 1966, 168-178

TOPIC TAGS: tunnel diode, second order differential equation, nonlinear differential equation, electronic circuit

ABSTRACT: With the methods of the non-linear theory of oscillations a solution is obtained for an oscillator with a tunnel diode and one tuned LC circuit, described by a non-linear second-order differential equation. Qualitative properties of the circuit are derived. This paper was presented by V. Spany. Orig. art. has: 10 figures, 13 formulas and 2 tables. [Based on author's Eng. abst.] [JPRS: 36,644]

SUB CODE: 09 / SUBM DATE: 20May65 / ORIG REF: 001 / SOV REF: 005  
OTH REF: 003

Card 1/1

KUCERKA, Ladislav, inz.

Electric equipment of modern machine tools, machinery and equipment. Elektrotechnik 19 no.9:268 S '64.

SANDEROVA, Vera, promovany fyzik, CSc., KUCERA, Jaroslav; PAVAN, Jaroslav

Comparison of the characteristic parameters of the selenium  
rectifying cells made today. El tech obzor 53 no. 6:314-321  
Je '64.

1. Faculty of Electrical Engineering, Czech Higher School of  
Technology, Prague (for Sanderova and Frank).
2. Elektropristroj National Enterprise, Research on Rectifiers,  
Bechovice (for Kucera).

KUCERA, Ludvik; HRCAL, Zdenek; KERN, T, Jaroslav; KOCTA, J., inz.

A new miniature selenium amplitude limiter. Sdel tech 12  
no.7:258-259 J1 '64

KUCERA, Ludvik; SANDEROVA, Vera, promovany fyzik; MARTAN, Frantisek, doc., ScC.

Monogram for calculation of the forward loss in selenium rectifier cells. Slaboproudy obzor 24 no.7:415-417 JI '63.

1. Elektropřístroj, n.p., Bechovice (for Kucera).
2. Fakulta elektrotechnická, České vysoké učení technické, Praha (for Sanderova and Martan).

KUCERA. M.

BLAZEK, Z.; KUCERA, M.

Alkaloids content of *Atropa belladonna* L. in various stages of development. *Cas.cesk.lek.* 63 no.8:87-90 30 Apr 50. (CML 19:4)

1. Of the Institute of Pharmacology and Pharmacognosy, Charles University (Head--Prof. B.Polak, M.D.)

Kucera, M.

BLAZEK, Z.; KUCERA, M.

Alkaloid content of *Datura stramonium* L. in various stages of evolution. Cas.cenk.lek. 63 no.9:101-103 15 May 50. (CLML 7:4)

1. Of the Institute of Pharmacology and Pharmacognosy, Charles University (Head--Prof. B.Polak, M.D.)



KucERA, M.

BLAZEK, Z.; KUCERA, M.

Alkaloid content of *Hyoscyamus niger* L. in various stages of development. Cas.cesk.lek. 63 no.10:110-112 31 May 50. (CML 19:4)

1. Of the Institute of Pharmacology and Pharmacognosy, Charles University (Head—Prof. B.Polak, M.D.)

BLAZEK, Z; KUČERA, M.

Diagnostic use of fluorescent properties of *Datura stramonium*  
seeds. Cas. česk. lek. 63 no.18:209-210 30 Sept. 1950. (CLML 21:1)

1. Of the Institute of Pharmacology and Pharmacognosy, Faculty  
of Medicine, Charles University (Head--Prof. B.Polak, M.D.)

Kucera, M.

Blahak, E., Kucera, M., and Hubik, J.: Léčivé Rostliny  
re Sběru a v Kultuře. Prague: Z. Nakladatelství 1953.  
Reviewed in Pharmazie 6, 270(1954).

(8)

CA

IN

The presence of cocaine in the leaves of *Sambucus nigra*  
M. Kubica and Z. Hlalek (Univ. Prague) *Chemical*  
1974, 1, 111-114 (1974) - In spite of many isolation methods  
and sensitive microanalysis and large amt. of fresh material  
used, cocaine was not detected. *Magnum Hubikova*

CA

11

Influence of drying methods on the content of asubgonic compounds of *Florae Chamomillae*. Z. Hladik and M. Kufner (Charles-Univ., Prague). *Pharmazie* 7, 107-9 (1952); cf. preceding abstr.—Chamomile flowers are best dried in the shade at 30°. Use of infrared radiation at a distance of 30 cm. decreases the asubric content 17% while drying in sunlight causes a loss of 31%. R. H. Sherris

BLAZEK, Z.; BOSWART, J.; HORAK, P.; KUCERA, M.

Variation of alkaloid content in Ergot sclerotium during 24 hours.  
Cesk. farm. 2 no.7-8:231-233 Aug 1953. (CML 25:4)

1. Of the Research Institute of Medicinal Plants, Prague.

KUCERA, M.

Problem of substitution of drugs. Cesk. farm. 2 no.7-8:262-265 Aug 1953.  
(CML 25:4)

KUCERA, M.

JINDRA, A.; BOSWART, J.; KUCERA, M.; HORAK, P.

Determination of tropa alkaloids in drugs. Cesk.farm. 3 no.4:  
131-133 Ap '54.

1. Z Vyskumneho ustavu ledivych rostlin (VULERO) v Prase.  
(ALKOLOIDS, determination,  
\*in drugs)



DOLEZAL, B.; KUCERA, M.

Development of research on medicinal plants. Cesk. farm. 3 no.5:  
160-162 My '54.

(PLANTS,

\*pharmacognosy, develop. of research in Czech.)

KUCERA, M.; BLAZEK, Z.

Anatomy of leaves of *Vaccinium oxycoccos* L. Cesk. farm. 3 no.5:  
162-164 My '54.

1. Z Vyskumného ústavu léčivých rostlin, Praha.

(PLANTS,

\**Vaccinium oxycoccos*, structure of leaves)

BLAZEK, Zd.; KUCERA, M.

Viscosity and content of reducing substances in tinctures from citrus flowers during their development. Cesk. farm. 3 no.5: 177-179 My '54.

1. Z Vyskumneho ustavu lecivych rostlin v Praze  
(PLANTS,

\*citrus flowers, viscosity & content of reducing  
substances in tinctures)

KUCERA, M.

Prolongation of old and nonproductive methods of drying of medicinal plants. Cesk. farm. 3 no.7:249-251 Sept 54.

(PLANTS,  
medicinal, drying technic)